

CONTENTS

Introduction	3
REC Alpha Pure Series	4
REC Alpha Pure 2 Series	5
REC Alpha Pure-R Series	6
REC Alpha Pure-RX Series	7
REC N-Peak 3 Series.	8
REC TwinPeak 5 Series*	9

^{*}Product only available in the USA

⁺ Product not available in the USA

INTRODUCTION

REC believes that the packaging of our products is just as important as the product itself. To ensure our solar panels arrive with our customers in as good condition as possible, REC takes every care to ensure a high quality level of packaging and uses international testing standards to ensure the panels reach their destination in the best condition. Except where specifically stated, the information givenon the following pages is relevant to all modules in the product family named and is therefore applicable to all product variants, e.g., different colored frames, backsheets, and/or cell types. The images shown are a generic representation of the instructions regardless of color or exact design.















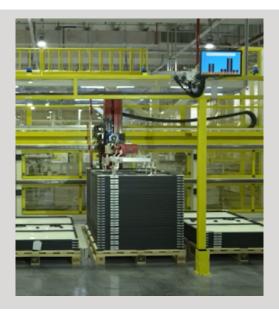


PALLET HANDLING

This document contains instructions concerning the use and handling of pallets of REC solar panels. Following these instructions will ensure that the panels are in the best condition upon arrival at the installation site. Misuse or failure to follow these procedures may lead to damage or injury, and may invalidate the warranty on the product.

QUALITY

REC performs a quality check on all pallets before and during loading. Vehicles will only be loaded if they are deemed safe and serviceable. During transportation, the pallets are stably loaded in protected containers with air bags between them to secure them in position. The freight company and driver are responsible for ensuring suitable load safety for each delivery vehicle. Vehicles without suitable load safety measures will not be loaded. Loading without the use of air bags or loading belts to secure the pallets may lead to damage to the pallet(s) and/or module(s) during transportation which may invalidate the warranty. If using loading belts to secure pallets, ensure these are correctly fitted as overtightening may cause damage to the modules or pallet(s).





RECYCLING

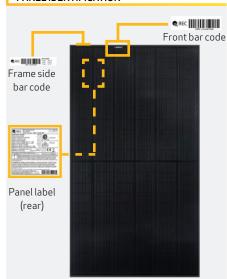
REC makes every effort to ensure the panel packaging is kept to a minimum and that environmentally-friendly materials are used wherever possible. This minimizes waste and discarded items to dispose of at the installation site. The wooden pallets can be re-used or recycled. The paper and cardboard packaging used on REC pallets can be also be widely recycled and the protective wrapping and panel separating blocks are also recyclable in many areas. Please check for all applicable procedures and recycle all packaging and panels according to local guidelines and regulations. REC makes every effort to ensure environmentally-friendly packaging materials are used. Please recycle whenever possible.

REC ALPHA PURE SERIES

PALLET FRONT VIEW (DOUBLE STACKED)



PANEL IDENTIFICATION



PALLET SHIPMENT DIMENSIONS

Length of pallet:	1880 mm (74 in)
Width of pallet:	1055 mm (41.5 in)
Height of single pallet stack:	1205 mm (47.5 in)
Height of double pallet stack:	2410 mm (95 in)
Pallet weight:	41 kg (90.4 lbs)
Stack weight (pallet + panels):	ca. 735 kg (1620 lbs)

TOP DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	792
	24 pallets
Panels per 13.6 m truck:	924
	28 pallets
Panels per 53 ft truck:	858
	26 pallets

PALLET SIDE VIEW (DOUBLE STACKED)



PALLET STACKING



P DELIVERY DOCUMENTATION

Documentation is located on short side of pallet.

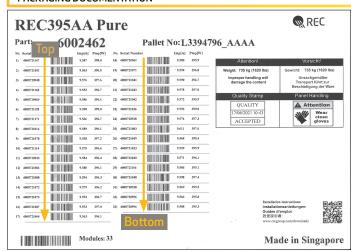
Pallet documentation includes:

- Module flash data
- Serial number
- Product name
- Watt class

PACK AGING MATERIAL

Pallet:	Wood
Foam pad:	Polyurethane Polyether Polyol
Top cover:	Corrugated cardboard
Edge protectors:	Core board - Kraft
Corner pieces and sp	pacers: HDPE

PACKAGING DOCUMENTATION



• Pallet No. 1 is the top module in a stack

- Pallet No. 33 is the lowest module in a stack
- Pallet documentation shows:
- Module serial number
- Module bar code
- Manufacturing date
- Electrical data (I_{MP}, P_{MP})

STORAGE AND TRANSPORTATION

	Stack	ing for storage:	2 pallets max
	Stacking for transportation:		2 pallets max
Note: When double stacking pallets, ensure the upper pallet sits securely on the edge protector to avoid damage to the lower pallet during transportation or handling		rotector to	

 $\textbf{Note:} \ \ \mathsf{Pallets} \ \mathsf{delivered} \ \mathsf{stacked} \ \mathsf{are} \ \mathsf{not} \ \mathsf{bound} \ \mathsf{together}$

MINIMUM FORK LENGTHS FOR TRANSPORTATION

		Single/Double stack only
Forklift	Longside	1.2 m (47 in) Loading &unloading of container only
	Shortside	1.5 m (59 in)
Pallet	Longside	Х
jack	Shortside	1.5 m (59 in)

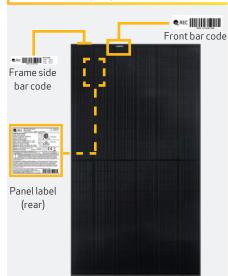
Note: Forks must be spaced a minimum of 500 mm apart Handlers must ensure that vehicles used for REC pallets can handle the specified load safely.

REC ALPHA PURE 2 SERIES

PALLET FRONT VIEW (DOUBLE STACKED)



PANEL IDENTIFICATION



PALLET SHIPMENT DIMENSIONS

Length of pallet:	1910 mm (75.2 in)
Width of pallet:	1090 mm (42.9 in)
Height of single pallet stack:	1205 mm (47.5 in)
Height of double pallet stack:	2410 mm (95 in)
Pallet weight:	40 kg (88.2 lbs)
Stack weight (pallet + panels):	ca. 753 kg (1660 lbs)

TOP DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	792
24 pa	llets
Panels per 13.6 m truck:	924
28 pa	llets
Panels per 53 ft truck:	858
26 pa	llets

PALLET SIDE VIEW (DOUBLE STACKED)



PALLET STACKING



PDELIVERY DOCUMENTATION

Documentation is located on short side of pallet.

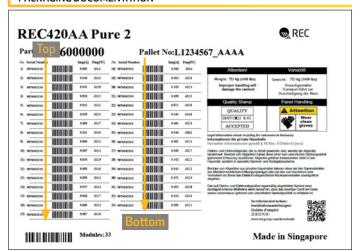
Pallet documentation includes:

- Module flash data
- Serial number
- Product name
- Watt class

PACKAGING MATERIAL

Pallet:	Wood
Foam pad:	Polyurethane Polyether Polyol
Top cover:	Corrugated cardboard
Edge protectors:	Core board - Kraft
Corner pieces and sp	pacers: HDPE

PACKAGING DOCUMENTATION



- Pallet No.1 is the top module in a stack
- Pallet No. 33 is the lowest module in a stack
- Pallet documentation shows:
- Module serial number
- Module bar code
- Manufacturing date
- Electrical data (I_{MP}, P_{MP})

STORAGE AND TRANSPORTATION

	Stack	ing for storage:	2 pallets max
	Stacking for transportation:		2 pallets max
Note: When double stacking pallets, ensure the upper pallet sits securely on the edge protector to avoid damage to the lower pallet during transportation or handling		rotector to	

 $\textbf{Note:} \ \ \mathsf{Pallets} \ \mathsf{delivered} \ \mathsf{stacked} \ \mathsf{are} \ \mathsf{not} \ \mathsf{bound} \ \mathsf{together}$

MINIMUM FORK LENGTHS FOR TRANSPORTATION

		Single/Double stack only
Forklift	Longside	1.2 m (47 in) Loading & unloading of container only
	Shortside	1.5 m (59 in)
Pallet	Longside	Х
jack	Shortside	1.5 m (59 in)

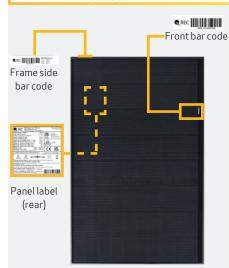
Note: Forks must be spaced a minimum of 500 mm apart Handlers must ensure that vehicles used for REC pallets can handle the specified load safely.

REC ALPHA PURE-R SERIES

PALLET FRONT VIEW (DOUBLE STACKED)



PANEL IDENTIFICATION



PALLET SHIPMENT DIMENSIONS

Length of pallet:	1780 mm (70 in)
Width of pallet:	1150 mm (45.2 in)
Height of single pallet stack:	1220 mm (48 in)
Height of double pallet stack:	2440 mm (96 in)
Pallet weight:	39 kg (86 lbs)
Stack weight (pallet + panels):	ca.753kg (1660lbs)

P DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	858 (26 pallets)
Panels per 13.6 m truck:	924 (28 pallets)
Panels per 53 ft truck:	858 (26 pallets)

PALLET SIDE VIEW (DOUBLE STACKED)



PALLET STACKING



P DELIVERY DOCUMENTATION

 $Documentation \, is \, located \, on \, short \, side \, of \, pallet.$

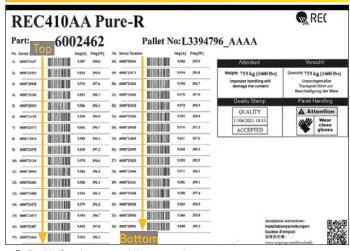
Pallet documentation includes:

- Module flash data
- Serial number
- Product name
- Watt class

PACK AGING MATERIAL

Pallet:	Wood
Foam pad:	Polyurethane Polyether Polyol
Top cover:	Corrugated cardboard
Edge protectors:	Core board - Kraft
Corner pieces and sp	pacers: HDPE

PACKAGING DOCUMENTATION



- Pallet No. 1 is the top module in a stack
- Pallet No. 33 is the lowest module in a stack
- Pallet documentation shows:
- Module serial numberModule bar code
- Manufacturing date
- Electrical data (I_{MP}, P_{MP})

STORAGE AND TRANSPORTATION

Stacking for storage:		2 pallets max
Stacking for transportation: 2 pallets max		
Note: When double stacking pallets, ensure the upper pallet sits securely on the edge protector to avoid damage to the lower pallet during transportation or handling		protector to

 $\textbf{Note:} \ \ \mathsf{Pallets} \ \mathsf{delivered} \ \mathsf{stacked} \ \mathsf{are} \ \mathsf{not} \ \mathsf{bound} \ \mathsf{together}$

MINIMUM FORK LENGTHS FOR TRANSPORTATION

		Single/Double stack only
Forklift	Longside	1.2 m (47 in) Loading & unloading of container only
	Shortside	1.5 m (59 in)
Pallet	Longside	Х
jack	Shortside	1.5 m (59 in)

Note: Forks must be spaced a minimum of 500 mm apart Handlers must ensure that vehicles used for REC pallets can handle the specified load safely.

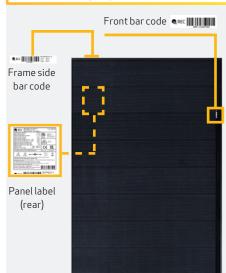
 $\textbf{Note:} \ \ \mathsf{Specifications} \ \mathsf{subject} \ \mathsf{to} \ \mathsf{change} \ \mathsf{without} \ \mathsf{notice}$

REC ALPHA PURE-RX SERIES

PALLET FRONT VIEW (DOUBLE STACKED)



PANEL IDENTIFICATION



PALLET SHIPMENT DIMENSIONS

Length of pallet:	1780 mm (70 in)
Width of pallet:	1240 mm (49 in)
Height of single pallet stack:	1220 mm (48 in)
Height of double pallet stack:	2440 mm (96 in)
Pallet weight:	~40 kg (88 lbs)
Stack weight (pallet + panels):	ca. 812 kg (1790 lbs)

PDELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	594 (18 pallets)
Panels per 13.6 m truck:	660 (20 pallets)
Panels per 53 ft truck:	792 (24pallets)

PALLET SIDE VIEW (DOUBLE STACKED)



PALLET STACKING



P DELIVERY DOCUMENTATION

Documentation is located on short side of pallet.

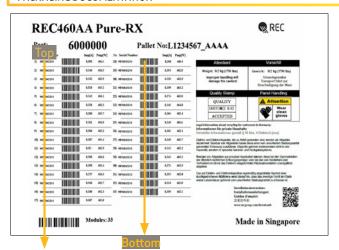
Pallet documentation includes:

- Module flash data
- Serial number
- Product name
- Watt class

PACKAGING MATERIAL

Pallet:	Wood
Foam pad:	Polyurethane Polyether Polyol
Top cover:	Corrugated cardboard
Edge protectors:	Core board - Kraft
Corner pieces and sp	acers: HDPE

PACKAGING DOCUMENTATION



• Pallet No. 1 is the top module in a stack

- Pallet No. 33 is the lowest module in a stack
- Pallet documentation shows:
- Module serial number
- Module bar code
- Manufacturing date
- Electrical data (I_{MP}, P_{MP})

STORAGE AND TRANSPORTATION

Stacking for storage: 2		2 pallets max
Stacking for transportation:		2 pallets max
Note: When double stacking pallets, ensure the upper		

pallet sits securely on the edge protector to avoid damage to the lower pallet during transportation or handling

 $\textbf{Note:} \ \ \mathsf{Pallets} \ \mathsf{delivered} \ \mathsf{stacked} \ \mathsf{are} \ \mathsf{not} \ \mathsf{bound} \ \mathsf{together}$

MINIMUM FORK LENGTHS FOR TRANSPORTATION

		Single/Double stack only
Forklift	Longside	1.2 m (47 in) Loading &unloading of container only
	Shortside	1.5 m (59 in)
Pallet	Longside	Χ
jack	Shortside	1.5 m (59 in)

Note: Forks must be spaced a minimum of 500 mm apart Handlers must ensure that vehicles used for REC pallets can handle the specified load safely.

REC N-PEAK 3 SERIES (ONLY AVAILABLE IN THE USA)

PANEL IDENTIFICATION

PALLET FRONT VIEW (DOUBLE STACKED)



Front bar code Frame side bar code Panel label (rear)

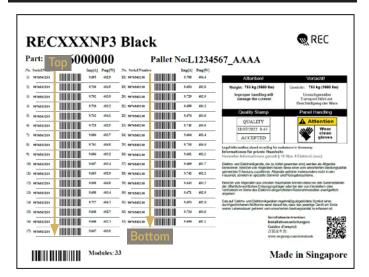
PALLET SIDE VIEW (DOUBLE STACKED)



PALLET STACKING



PACKAGING DOCUMENTATION



- Pallet No. 1 is the top module in a stack
- Pallet No. 33 is the lowest module in a stack
- Pallet documentation shows:
- Module serial number
- Module bar code
- Manufacturing date
- Electrical data (I_{MP}, P_{MP})

PALLET SHIPMENT DIMENSIONS

Length of pallet:	76.7 in
Width of pallet:	43 in
Height of single pallet stack:	47.5 in
Height of double pallet stack:	95 in
Pallet weight:	88.2 lbs
Stack weight (pallet + panels):	ca. 1660 lbs

DELIVERY INFORMATION

Panels per pallet:

Panels per GP/high cube container (40 ft):	792
(24 pa	allets)
Panels per 53 ft truck:	858
· (26 pa	allets)

DELIVERY DOCUMENTATION

Documentation is located on short side of pallet.
Pallet documentation includes:

- Module flash data
- Serial number
- Product name
- Watt class

PACKAGING MATERIAL

Pallet:	Wood
Foam pad:	Polyurethane Polyether Polyo
Top cover:	Corrugated cardboard
Edge protectors:	Core board - Kraft
Corner pieces and sp	acers: HDPE

STORAGE AND TRANSPORTATION

Stacking for storage:2 pallets maxStacking for transportation:2 pallets max

Note: When double stacking pallets, ensure the upper pallet sits securely on the edge protector to avoid damage to the lower pallet during transportation or handling

Note: Pallets delivered stacked are not bound together.

MINIMUM FORK LENGTHS FOR TRANSPORTATION

		Single/Double stack only
Forklift	Longside	47 in Loading & unloading of container only
	Short side	59 in
Pallet jack	Longside	Х
	Short side	59 in

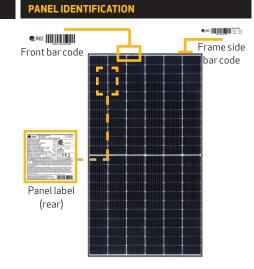
Note: Forks must be spaced a minimum of 20 in apart Handlers must ensure that vehicles used for REC pallets can handle the specified load safely.

REC TWINPEAK 5 SERIES (NOT AVAILABLE IN THE USA)

These packaging specifications are applicable to the following products: REC TwinPeak 5 Series REC TwinPeak 5 Black Series

PALLET FRONT VIEW (DOUBLE STACKED)





PALLET SHIPMENT DIMENSIONS

Length of pallet: 1950 mm Width of pallet: 1090 mm Height of single pallet stack: 1205 mm Height of double pallet stack: 2410 mm Pallet weight: 40 kg Stack weight (pallet + panels): ca. 753 kg

DELIVERY INFORMATION

33 Panels per pallet: Panels per GP/high cube container (40 ft): 792 (24 pallets) Panels per 13.6 m truck: 924 (28 pallets)

PALLET SIDE VIEW (DOUBLE STACKED)



PALLET STACKING



DELIVERY DOCUMENTATION

Flash data list: On short side Serial number list: On short side Product name: On long side Watt class: On long side

PACKAGING MATERIAL

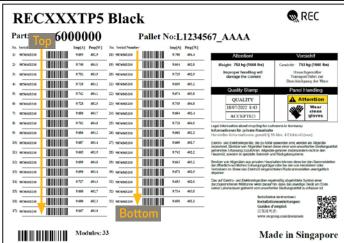
Pallet: Wood Polyurethane Polyether Polyol Foam pad: Corrugated cardboard Top cover: Edge protectors: Core board - Kraft **HDPE** Corner pieces and spacers:

STORAGE AND TRANSPORTATION

Stacking for storage: 2 pallets max 2 pallets max

Note: When double stacking pallets, ensure the upper pallet sits securely on the edge protector to avoid damage to the lower pallet during transportation

PACKAGING DOCUMENTATION



- Pallet No. 1 is the top module in a stack
- Pallet No. 33 is the lowest module in a stack
- Pallet documentation shows:
 - Module serial number
- Module bar code
- Manufacturing date
- Electrical data (I_{MP}, P_{MP})

Stacking for transportation:

Note: Pallets delivered stacked are not bound together.

MINIMUM FORK LENGTHS FOR TRANSPORTATION

		Single/Double stack only
Forklift	Longside	1.2 m Loading &unloading of container only
	Short side	1.5 m
Pallet jack	Longside	X
	Short side	1.5 m

Note: Forks must be spaced a minimum of 500 mm apart Handlers must ensure that vehicles used for REC pallets can handle the specified load safely.



REC SOLAR PTE. LTD. 20 TUAS SOUTH AVENUE 14 SINGAPORE 63/312 SINGAPORE Tel: +65 6495 9228 Mail: post@recgroup.com