

# LIGHTWAY SMART SOLUTION

## LW6P60b\_ST SERIES



**265W\***  
Max power output

**16.32%\***  
Max efficiency

**10 Year**  
Product warranty

**25 Year**  
80% power output



### Module Level MPPT

Maximized power output from the PV system  
Reduced impact from shading and module mismatch



### Module Level Monitoring

Easy and intuitive access to module-level data  
Remote troubleshooting



### Enhanced Safety

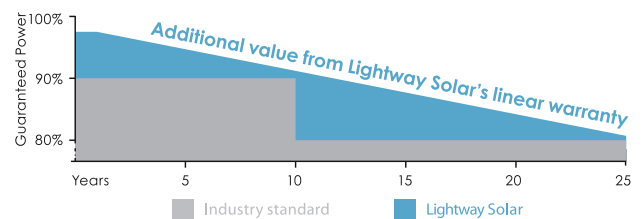
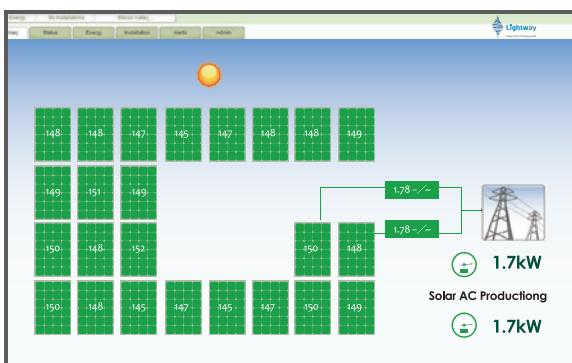
Panel-level shut off for maintenance  
Automatic DC shut off for emergencies



### Full Smart Solution

Fully integrated into the junction box  
Compatible with any inverter

### Module Level Monitoring



### LINEAR WARRANTY

- 10-year warranty on materials and workmanship
- 25-year warranty > 80% power output
- 2.5% degradation rate the first year
- 0.70% yearly linear degradation



## ELECTRICAL DATA\*

Module Type		LW6P60b-265	LW6P60b-260	LW6P60b-255	LW6P60b-250
Peak Power_Pmax	W	265	260	255	250
Power tolerance_ΔPmax	W	0,+5			
Voltage at Pmax_Vmpp	V	30.4	30.25	30.10	29.95
Current at Pmax_Imp	A	8.73	8.61	8.48	8.36
Open Circuit Voltage_Voc	V	32	32	32	32
Short Circuit Current_Isc	A	9.10	9.06	8.90	8.78
Module Efficiency_η		16.32%	16.01%	15.71%	15.40 %

## DC OPTIMIZER TECHNICAL DATA

INPUT DATA	
Maximum power	300W
Maximum input DC voltage(Voc)	52V
Vmp range	16~48V
Maximum continuous current(Imp)	9.5A
Maximum input current(Isc)	10A
OUTPUT DATA(DC)	
Maximum output power	300W
Maximum continuous current	9.5A
Nominal Voltage/Range	Variable
MECHANICAL DATA	
Operating temperature	-40~+85 °C
Cooling	Natural convection

## MAXIMIZER MANAGEMENT UNIT(MMU)

Electrical specifications	Single MMU supports up to 360 module maximizers
Communication(MMU to Data Center)	Ethernet
Weight	1000gm
Environmental rating	NEMA 3R
Operating temperature	0 ~ 70 °C

## MODULE CONSTRUCTION MATERIALS

Solar cells	60-multicrystalline silicon cells, 156mm*156mm
Glass	3.2mm low-iron tempered glass
Encapsulant	ethylene vinyl acetate(EVA)
Frame	anodized aluminium alloy(Silver)
Junction Box	power optimizer
Cable(type)	4mm <sup>2</sup> PV cable

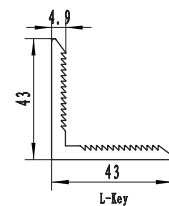
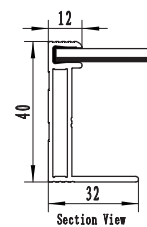
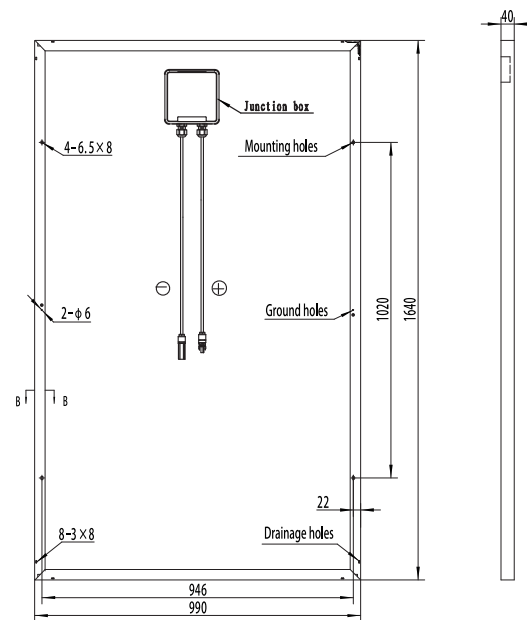
## PACKING DATA

Module Dimension(L×W×H)	1640×990×40mm
Modules per pallet	26pcs
Pallets per 40' container	28pcs
Packing box dimension(L×W×H)	1700×1140×1020mm

DC solution is compatible with all Lightway modules.

\*: The electrical data are measured with conventional module.

Unit:mm



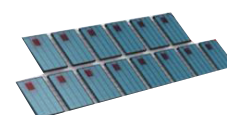
MMU



Monitoring



DC optimizer



PV array