AW International

ADPV40K

2 Axis Solar Power System

AW 250G

Number of motion axis	–	2 axis
Tracking algorithm	–	Ratl time solar–position tracking
Azimuth angle	–	0~220 degree
Elevation angle	–	20 ~ 80 degree
PV panel	–	Total 40 KW (70 sets of module)
Battey	–	Total 13,200 A (66 sets of batteries)

Solar Module

Nominal Output (Pmpp)	590 W
Voltage at Pmax (Vmpp)	46 V
Current at Pmax(Impp)	12.83 A
Module efficiency	21.4 %
Dimension	1,133 x 2,438 x 35 (mm)
Weight	30 Kg
Solar cells	double sided single crystal PERC
Front material	Low iron tempered glass
Frame	Anodized aluminium alloy

Inverter

Maximum PV input	40,000 W
Rated output power	30,000 W
Maximum charging power	30,000 W
Nominal PV input	720 VDC
Nominal Grid output	230 VAC (P-N), 400 VAC(P-P)
Efficiency (DC to AC)	96 %
Maximum charging current	50 A
Dimension	255 x 660 x 750 (mm)
Weiht	73 Kg

LIFE SOLUTION

Battery

Voltage	12 VDC
Amphere	200 Ah
Dimension	525 x 281 x 223 (mm)
Weight	55 Kg

Tracker

Tracking algorythm	Real time solar positioning system
Operating temperature	~ - 30 Celsius degree
Angle range	Asimuth 0~220 / Elevation 20~80
Maximum air flow	30 m/s
Material	Posmac (5~10 times better corrosion resistance)
Dimension	16.0 x 12.88 x 10.0 (m)
Weiht	10,000 Kg