

ZONPOWER SERIES



ZONPOWER Solar Roof top system is an innovative, energy efficient and cost effective system with reliable, maintenance free inbuilt Li-Ion Battery, advanced electronics, solar panels and 48VDC loads.

KEY FEATURES

- Aesthetic and portable
- Remote controlled dimming of tube lights and fans
- Simple to install and scalable system
- Various DC loads available with >95% efficient DC drivers
- Solar panel: >25 years life
- High efficiency electronics and thermal management
- Up to 90% energy savings compared to conventional loads
- Replace conventional 1KW to 3KW rooftop systems

SPECIFICATIONS

Parameter	Units	ZP-250S	ZP-375S	ZP-500S
Solar Charging – full sunlight	hrs	8	8	8
Battery (Li-Ion)		48.1V, 5.2Ah	48.1V, 7.8Ah	48.1V, 10.4Ah
Battery upper/lower cutoff voltage (after stabilization)	V	54.6/43.5	54.6/43.5	54.6/43.5
Battery discharge DOD	%	80	80	80
Solar Panel Pm	W	75W	110W	150W
Solar Panel Vm/Im	V/A	56.5/1.30	56.5/1.9	56.5/2.60
System Rated Power	W	100	150	200
Idle current when Battery low	mA	<4mA	<4mA	<4mA
Battery lifetime (typical)	cycles	1000	1000	1000
Dimension (l×w×h)	mm	280X175X160	280X175X160	280X175X160

Weight	Kg	4.5	5	5.5
Indications- Charging	LED	Green ON	Green ON	Green ON
Indications- Load ON	LED	Yellow ON	Yellow ON	Yellow ON
indications- Over load	LED	Red ON/OFF	Red ON/OFF	Red ON/OFF
Indications-Batt. Low& load cut off	LED	Red ON	Red ON	Red ON
Protections		Battery Reverse	Battery Reverse	Battery Reverse
		over load	over load	over load
		Panel Reverse	Panel Reverse	Panel Reverse
AC/DC(Optional)	V	55	55	55
	I	1	2	2
Load capacity with charger	W	50	100	100

LOADS DESCRIPTION

Model	category	Load	TL	Bulb	Fan	Charger	*Backup (hr)	**Backup (hr)	conventional system
ZP-250S	A	100W	1	2	1	1	8	3	500W
	B	100W	1	4	2	1	5	2	1KW
	C	100W	2	3	2	1	5	2	1KW
ZP-375S	A	150W	2	3	2	1	8	3	1.5-2KW
	B	150W	2	4	3	2	6	2	1.5- 2KW
ZP-500S	A	200W	2	4	3	2	8	3	2KW
	B	200W	4	3	4	2	6	2	2KW
	*	Represents -Low mode with all loads running							
	**	Represents -High mode with all Loads running							

PACKING MATERIAL SPECIFICATIONS INDIVIDUAL AND MASTER CARTON

MODEL	QUANTITY (Units) in Master BOX	Individual BOX DIMENSIONS (cm)
ZP-250SA	2	30.0X18.5X20.0
ZP-250SB	2	30.0X18.5X20.0
ZP-250SC	2	30.0X18.5X20.0
ZP-375SA	2	30.0X18.5X20.0
ZP-375SB	2	30.0X18.5X20.0
ZP-500SA	2	30.0X18.5X20.0
ZP-500SB	2	30.0X18.5X20.0