

INTEGRATED ENERGY CABINET

COSPOWERS

Application Field

Energy Storage in Communication
Base Stations for Peak Shaving and
Valley Filling



	Model	6kW-30kWh	10kW-30kWh	15kW-30kWh
AC-side parameters	Grid rated power	6kVA	10kVA	15kVA
	Rated voltage	380/400V; 3W+N+PE		
	Rated frequency	50/60Hz		
	Grid maximum apparent power	6.6kVA	11kVA	16.5kVA
	Grid rated/maximum output current	8.7/9.5A	14.4/15.9A	21.7/23.8A
	THDi	<3%		
EPS	Maximum input apparent power	13.2kVA	22kVA	33kVA
	Maximum input apparent current	19.1A	31.8A	47.6A
	Rated output power	6kVA	10kVA	15kVA
	Maximum apparent power	6.6kVA	11kVA	16.5kVA
	Rated/maximum output current	8.7/9.5A	14.4/15.9A	21.7/23.8A
	Rated output frequency	50/60Hz		
	Rated output voltage	400V; 3W+N+PE;		
	THDu	<2%		
	Highest efficiency/European efficiency	97.9/97.2%	98.2%/97.5%	98.5/97.6%
	MPPT efficiency	99.50%		
PV	Maximum battery charge/discharge efficiency	97.50%	97.50%	97.80%
	Maximum photovoltaic input power	9kW	15kW	22.5kW
	Maximum photovoltaic voltage	1000V		
	MPPT voltage range	180-850V		
	Full power MPPT voltage range	250~850V	430-850V	620~850V
	Minimum input voltage/start-up voltage	125/180V		
	Maximum input current per MPPT channel	13/13A		
	Maximum short-circuit current	16A	16A	25A
Battery parameters	Number of MPPT trackers	2		
	Rated photovoltaic input voltage	700V		
	Cell capacity	100Ah		
	System and modules	1P16S *6 sets		
	System energy	30.72kWh		
	Battery voltage range	268.8-345.6V; 150-550V (Optimal operating voltage of the battery for the PCS)		
	Maximum charge/discharge power	6.6kW	11kW	16.5kW
	Maximum charge/discharge current	50A		
	Rated charge/discharge current	40A		
	Battery type/communication type	LFP/CAN		
General parameters	Battery voltage range	268.8-345.6V; 150-550V (Optimal operating voltage of the battery for the PCS)		
	Protection	IP65		
	Operating temperature	0~50°C		
	Operating altitude	4000m (>2000Derating)		
	Size(W*D*H)	700 *700 (910Including air conditioner/PCS) *1350		
	Weight	<500Kg		
	Parallel operation	Support		
	Thermal management	Air conditioner		
	Safety certification	IEC/EN62109-1:2010, IEC/EN62109-2:2011,		
	Supported communication interfaces	WiFi/GPRS		
	Display	LCD/APP		



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