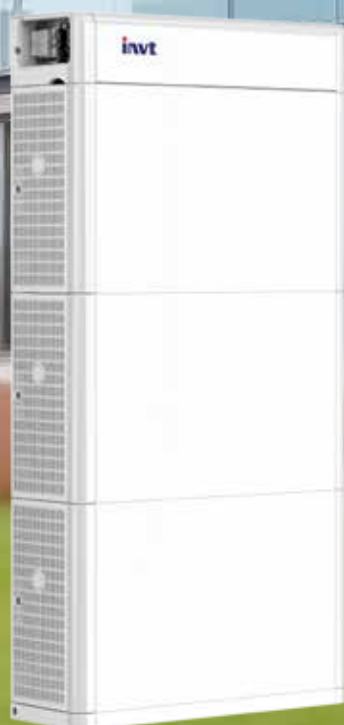


Smart Energy Storage System



GRP5.12-SLV



XD7-10KTL

XD7-10KTL Single Phase Hybrid Inverter

	XD7KTL	XD8KTL	XD10KTL
Input (PV)			
Max. PV Input Power	11.2kW	12.8kW	16kW
Max. PV Input Voltage		600V	
Start-up Voltage		100V	
MPPT Voltage Range		100V ~ 550V	
Number of MPP Trackers		2	
Number of Strings per MPPT		2 / 1	
Max. PV Input Current		32A / 20A	
Output (AC)			
Rated Output Power	7kW	8kW	10kW
Max. Output Active Power	7.7kW	8.8kW	11kW
Max. Output Current	35A	40A	50A
Rated Voltage		230V	
Rated Frequency		50Hz / 60Hz	
THDi(@Rated Power)		< 3%	
Power Factor		0.8 leading ~ 0.8 lagging	
Battery			
Battery Type		Lithium, Lead-acid	
Battery Voltage Range		40V ~ 60V	
Max. Charge/Discharge Current	160A	190A	210A
Output (EPS)			
Max. Output Power	7.7kVA	8.8kVA	11kVA
Max. Output Current	35A	40A	50A
Peak Output Power, Time	14kW,10s	16kW,10s	20kW,10s
Rated Voltage		230V	
THDv(@Rated Power)		< 3%	
Switch Time		< 10ms	
Efficiency			
Max. Efficiency		98.00%	
European Efficiency		97.50%	
Battery Charge / Discharge Efficiency		97.00%	
Protection			
Protection	DC Reverse Polarity Protection, Insulation Resistance Monitoring, Ground Fault Monitoring, Over Current / Over Voltage Protection, Battery Soft Start Protection		
AFCI Protection		Optional	
Surge Protection		Type II	
General Data			
Dimension (W x H x D)		440mm*530mm*250mm	
Operating Temperature Range		-30°C ~ +60°C	
Self-consumption		< 10W	
Topology		High Frequency Insulation (For Battery)	
Protection Degree		IP66	
Relative Humidity		0~100%	
Communication		RS485 / CAN / WIFI / 4G / Bluetooth	
Max. Operating Altitude		4000m	
Cooling Method		Smart Forced Air Cooling	
Display		LCD	

GRP5.12-SLV Low Voltage Battery

Battery Parameter	GRP5.12-S2LV	GRP5.12-S3LV	GRP5.12-S4LV
Battery Cell		LiFePO ₄	
Battery System Capacity	10.24kWh	15.36kWh	20.48kWh
Module Number	2	3	4
Nominal Capacity	200Ah	300Ah	400Ah
Depth of Discharge		80%	
Nominal Voltage		51.2V	
Voltage Range		43.2Vdc ~ 56.16Vdc	
Nominal Charge / Discharge Current		100A	
Dimension (W x H x D)	640 x 890 x 200 mm	640 x 1255 x 200 mm	640 x 1620 x 200 mm
Weight	119kg	167kg	215kg
Installation		Stacked	
Temperature of Charge		0 ~ 55°C	
Temperature of Discharge		-20°C ~ +60°C	
Protection Degree		IP65	
Communication Port		RS485, CAN	
Display		LED	
Operation Humidity		5% ~ 95%	
Max. Operating Altitude		2000m	
Cycle Life		6000@80% DOD, 25°C, 0.5C	
Certification		CE, IEC, UN38.3, MSDS	



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