

All In One Residential Energy Storage(Single Phase)

Pile S



Safe&Reliable
CATL high performance LFP battery

All in One design
Easy installation and convenience

Interconnection
No exposed cables

Economical&Efficient
Save Capex, expanding as required

High Efficiency
Up to 97.6%

Anti-interference
DC/AC Surge protection

Model	PXS-36/51-LK1	PXS-36/102-LK1	PXS-36/153-LK1	PXS-36/204-LK1	PXS-50/51-LK1	PXS-50/102-LK1	PXS-50/153-LK1	PXS-50/204-LK1
PV String Input								
Nominal Voltage	400V							
MPPT Voltage Range	80V-560V							
Start Voltage	150V							
Number of MPPT Tracker	2							
Strings Per MPPT Tracker	1							
Max. Input Current Per MPPT	15A							
AC Output (Grid)								
Nominal AC Output Power	3680W				5000W			
Nominal AC Voltage	230Vac							
Max. Output Current	16A				22A			
Max. Input Current	32A							
Battery Input								
Battery Type	LFP (LiFePO4)							
Nominal Battery Voltage	48V							
Max. Charging Current	50A				100A			
Max. Discharging Current	80A				100A			
Battery Specifications								
Rated Energy	5.12KWh	10.24KWh	15.36KWh	20.48KWh	5.12KWh	10.24KWh	15.36KWh	20.48KWh
Nominal Voltage	51.2V							
Cycle Life	10000cycle							
Modules Connection	Max. 4							
Standarby Power	<2W							
Warranty	10 years							
AC Output (Backup)								
Max. Output Apparent Power	4000VA				5000VA			
Max. Output Current	16A				20A			
Nominal Output Voltage	230V				230V			
Efficiency								
Max. PV Efficiency	97.60%							
Euro. PV Efficiency	97.00%							
General Specifications								
Products dimension,W*D*H (mm)	540*240*1080mm	540*240*1570mm	810*240*1570mm	1080*240*1570mm	540*240*1080mm	540*240*1570mm	810*240*1570mm	1080*240*1570mm
Weight	86KG	140KG	194KG	248KG	86KG	140KG	194KG	248KG
Operating Temperature Range	-10 to 50°C charging / -10 to 50°C discharging							
IP Grade	IP65							
Topology	Battery Isolation							
Communication	RS485/CAN2.0/WIFI/4G							
Display	LCD/APP							
Certification & Standard	IEC 62109;IEC61000;IEC60529;IEC 60068;IEC61683;IEC62116;IEC61727;EN50549; AS 4777.2;NRS 097;VDE-AR-N-4105;CEI0-21;G98;G99;C10/C11;UN38.3;UL1973							

Up to two battery packs in a cluster

