

AS3 Three Phase All-in-One Solution

SAJ's latest all-in-one solution for residential energy storage system, integrated PCS, BMS, EMS, EV charger and battery, with plug-in play design, IP65 design and only 12 screws, making the installation a lot easier. AS3 covers from 3-12kW.



- ❑ Integrated with 11kW EV charger module
- ❑ Battery module integrated with a DC/DC optimiser, expandable whenever you need
- ❑ Plug-in connection of the modules without any cabling, easy installation
- ❑ Supported 100% three phase voltage imbalance
- ❑ 170mm thick, blend in with its surrounding
- ❑ Self-heating and fire-protection system inside the batter

HS3-3K-T-W/G-PX | HS3-4K-T-W/G-PX
HS3-5K-T-W/G-PX | HS3-6K-T-W/G-PX | HS3-8K-T-W/G-PX

MODEL	AS3-3K-T-W/G-PX	AS3-4K-T-W/G-PX	AS3-5K-T-W/G-PX	AS3-6K-T-W/G-PX	AS3-8K-T-W/G-PX
AC Output/Input [On-grid]					
Rated AC Power [W]	3000	4000	5000	6000	8000
Max.Apparent Power [VA]	3300	4400	5500	6600	8800
Rated Output Current [A]@230Vac	4.4	5.8	7.2	8.7	11.6
Max. Output Current [A]	4.8	6.4	8.0	9.6	12.8
Max. Input Current [A]@230Vac	29				
Rated AC Voltage/Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180 ~ 280/312 ~ 485				
Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65				
Power Factor [cos ϕ]	0.8 leading ~ 0.8 lagging				
Total Harmonic Distortion [THDi]	<3%				
Battery Parameters					
Battery Type	LiFePO4				
Battery Voltage Range[V]	380 ~ 500				
Max.Charging Current [A]	7.9	10.5	13.2	15.8	21.1
Max.Discharging Current [A]	9.2	12.4	15.8	18.4	25
Scalability	BU3-5.0-TV1/2-PRO (up to 8 battery modules)				
AC Output [Back-up]					
Rated Output Power [W]	3000	4000	5000	6000	8000
Peak Output Apparent Power [VA]	6000,60s	8000,60s	10000,60s	12000,60s	16000,60s
Rated AC Voltage/Range [V]	3L+N+PE, 220/380, 230/400, 240/415; 180 ~ 280/312 ~ 485				
Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65				
Output THDv (@ Linear Load)	<3%				
Efficiency					
Max. Efficiency	96%		98%		
Protection					
Battery Input Reverse Polarity Protection	Integrated				
Over load Protection	Integrated				
AC Short Circuit Current Protection	Integrated				
AC Overcurrent Protection	Integrated				
AC Overvoltage Protection	Integrated				
AC Surge Protection	Type II				
Anti-islanding Protection	Integrated				
Interface					
AC Connection	Plug-in connector				
Battery Connection	Quick connector				
Display	LED+APP				
Communication	Wi-Fi/Ethernet/4G (Optional)				
General Parameters					
Topology	Non-isolated				
Operating Temperature Range	-30°C ~ +50°C				
Cooling Method	Natural Convection				
Relative Humidity Range	0-100% Non-condensing				
Max. Operating Altitude [m]	3000				
Noise [dBA]	<35				
Ingress Protection	IP65				
Inverter Dimensions [H*W*D] [mm]	450*695*170				
Battery Dimensions [H*W*D] [mm]	Battery with base: 420*695*170; Battery without base: 370*695*170				
Inverter Weight [kg]	32.0				
Battery Weight [kg]	Battery with base: 53; Battery without base: 52				
Standard	EN 62109-1/2, EN 61000-6-2/4, EN 50438, EN 50549, C10/11, IEC 62116, IEC 61727, RD 1699, RD 413, UNE 206006, UNE 206007, NTS, CEI 0-16, CEI 0-21, AS 4777.2, NBR 16149, NBR 16150 VDE-AR-N 4105, VDE 0126-1-1				
Charger Model			CU2-11K-T-I		
Output Voltage [V AC]	400, ± 20%				
Max. output Current [A]	16				
Rated Output Power [kW]	11				
Power Consumption (standby) [W]	5				
Dimension [mm] [H*W*D]	160*695*170				
Weight [kg]	9				
Working Temperature	-30°C to +50°C				
Ambient Humidity	5-95% non-condensing				