



BATTERY STORAGE OF THE NEXT GENERATION

NGEN HIGH VOLTAGE BATTERY

The STAR Max accommodates "All-in-one" design philosophy, integrating battery with longevity, intelligent BMS, high performance PCS, preventive safety system, smart distribution system and heat dissipation management system into one standard container for standardized manufacturing and simpler installation.



- **Safe:** Compartmentalization design with preventive alarming system
- **Economic:** Zero power loss with temperature control and frequency variation Floor or Wall Mounting
- **Intelligent:** Multiple operation modes including: Peak Shaving, Load Shedding, PV-Storage Energy Control, and Frequency Regulation. Operating data can be transmitted to Cloud via Wi-Fi, 4G or 5G
- **Augmentable:** Capable of parallel connection upgrade for flexible system size application



10 GUARANTEE



EXPANDABLE SYSTEM



HIGH EFFICIENCY



EASY INSTALLATION



**90%
DEPTH OF DISCHARGE**

Model	STAR-MAX
BATTERY MODULE DATA	
Compatible PCS	All Series of H1, H3, H3-Pro
Battery Type	LFP 3.2/280
Battery Pack Capacity [kWh]	53.76
Battery System Capacity [kWh]	215
Operating Voltage Range [V]	696 - 876
Number of Temperature Sensor	128
AC OUTPUT DATA	
Rated Output Power [kW]	100
Peak Output Power [kW]	110
THDi [%]	<3
Nominal Voltage [Vac]	380/400, 3L/N/PE
Power Factor	>0.99
Adjustable Power Factor Range	-1 ~ 1 (leading - lagging)
SYSTEM DATA	
Round Trip Efficiency [%]	>89
DOD [%]	100
Cycle Life	7000@70%EOL
Communication Interfaces	RS485/Ethernet
Ingress Protection	IP65
Cooling type	Intelligent air cooling
Altitude [m]	≤3000
Operation Temperature [°C]	-25 ~ 55
Operation Humidity [%]	5~95RH, non-condensing
Noise [db]	<75 @1m
Dimension [W*D*H][mm]	980*1500*2200
Fire Protection	Aerosol
Weight [Kg]	2500
Grid Code	IEEE1547/UL1741
Safety/EMC	UL1741/FCC class A



Refer to NGEN STAR Warranty Terms and Conditions

Version 5.0 | 2024