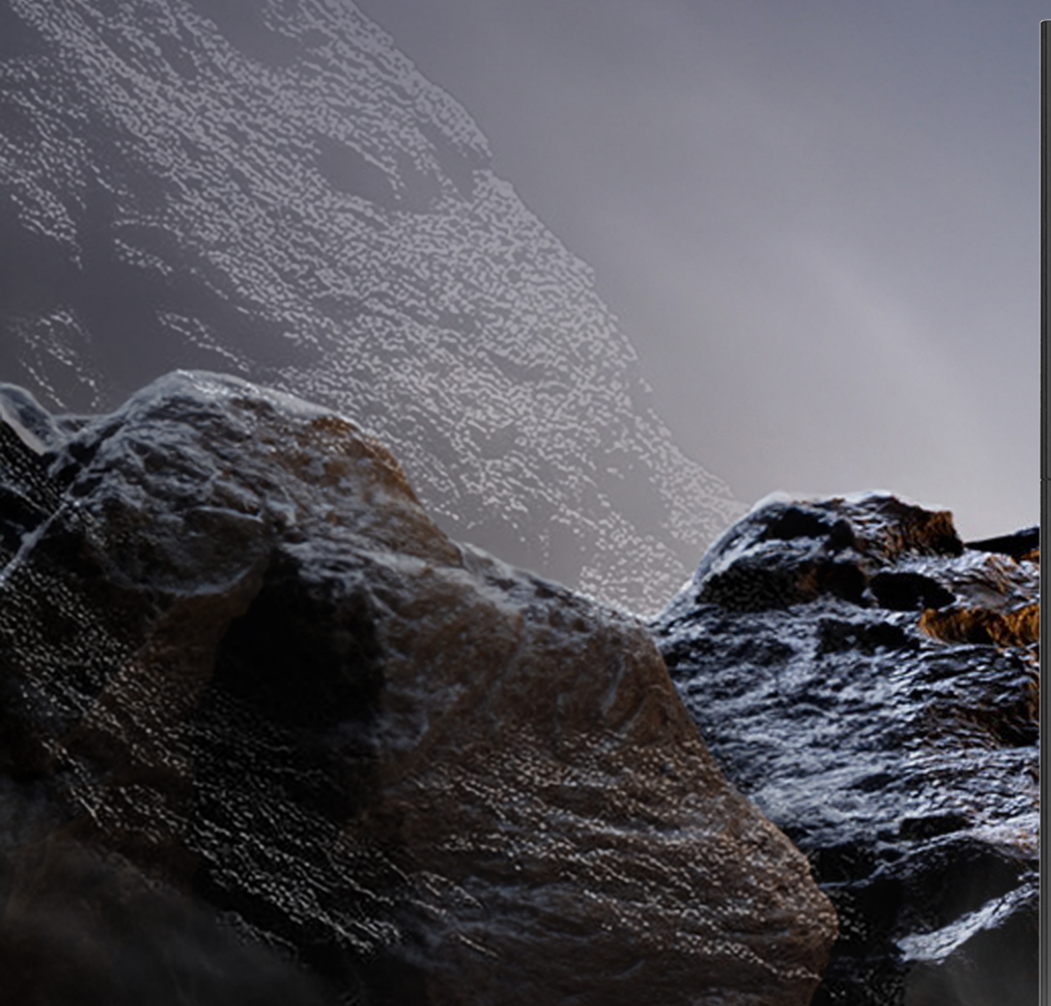
OneHo

Solar Arc X







PRODUCT MODEL

- 5000 HVBS（Hybrid Inverter)
- HV10-01（Battery）

200% backup overload capacity

200% PV over management

Online monitoring, online diagnosis, online service

Internal EMS optimizes home energy supply automatically

Three-level firmware and two-level hardware battery protection

Multiple temperature monitoring, Sophisticated thermal management

INVERTER	Unit	Solar Arc X			
BATTERY PORT					
Battery Type	/	Li-on / Lead-acid			
Nominal Battery Voltage	V	96			
Battery Voltage Range	V	80-450			
Max. Charging Current	A	60			
Max. Discharging Current	A	60			
BATTERY PORT					
Rated Output Power	kVA	5 / 4.6 (DE)			
Max. Output Current	A	22.7			
Max. Output Apparent Power	kVA	5 / 4.6 (DE)			
Max. Input Power	kVA	10			
Rated Grid Voltage	Vac	230			
Grid Voltage Range	Vac	180 - 270			
Rated Grid Frequency	Hz	50 / 60			
Power Factor	/	-0.8 ~ +0.8			
THDi	Vac	< 3%			
BACKUP PORT					
Surge Backup Power	kVA	10			
Rated Backup Power	kVA	5			
Rated Backup Voltage	Vac	230			
Rated Backup Frequency	Hz	50/60			
THDv	/	< 3% (Linear Load) / < 5% (Non-linear Load)			
DCV	/	< 100mV			
Crest Ratio	/	3:1			
EFFICIENCY					
Max. Round Trip Efficiency	/	90%			
HMI&COMM.					
Communication With BMS	/	CAN / RS-485			
Load Monitoring	/	Meter / CT / Backup box			
External Communication	/	RS-485 / WIFI / 4G / Ethernet			
User Interface	/	LED / LCD			
CERTIFICATION					
Grid Regulation Safety	/	CEI 0-21,C10-11,EN 50549,ENTRF 50549,VDE-AR-N 4105			
Safety Regulation	/	LVD			
EMC	/	EN IEC 61000-6-1,EN IEC 61000-6-3,IEC 61000-6-1,IEC 61000-6-3			
BATTERY		**HV10-01-1**	**HV10-01-2**	**HV10-01-3**	**HV10-01-4**
Total Energy	kWh	10.24	20.48	30.72	40.96
Battery Module	/	102.4V 10.24kWh			
Number of Modules	/	1	2	3	4
Cell Type	/	LFP(LiFePO4)			
Nominal Voltage	V	102.4	204.8	307.2	409.6
Operating Voltage	V	80 - 116.8	160 - 233.6	240 - 350.4	320 - 584
Max. Charge / Discharge Current	A	60			
Continue Discharge Output	kW	6.14	12.29	18.43	24.58
Approximate Weight	KG	100	200	300	400
GENERAL SPECIFICATIONS					
Approximate Weight	KG	127			
Dimensions (W*D*H)	mm	590*206*1297			
IP Rating of Enclosure	/	IP65			
Operating Temperature	/	Optional: Charge/Discharge: 0°C-50°C(without heating film); Charge/Discharge: -20°C-50°C(with heating film)			
Storage Temperature	°C	0°C ~ 35°C			
Cycle Life	/	Inverter: 10 years; Battery: 10+years,≥6000 cycles(70%EOL,80%DOD,25°C)			