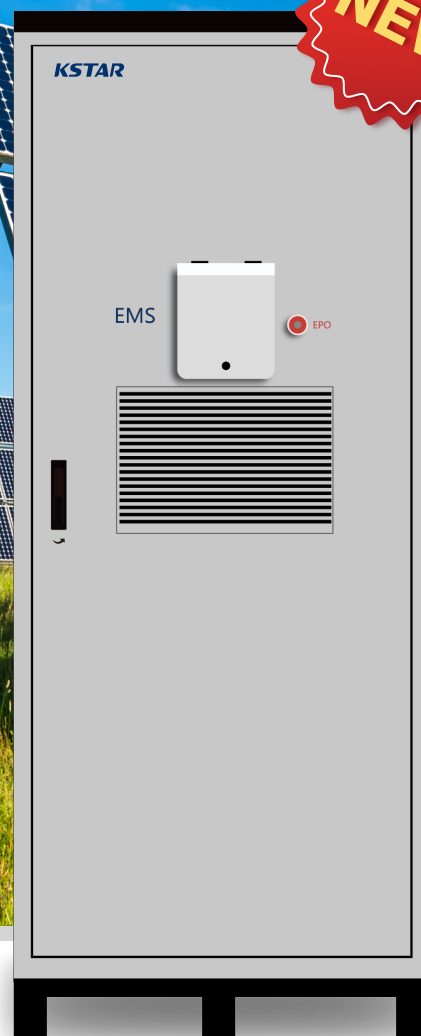


STS100D/STS250D

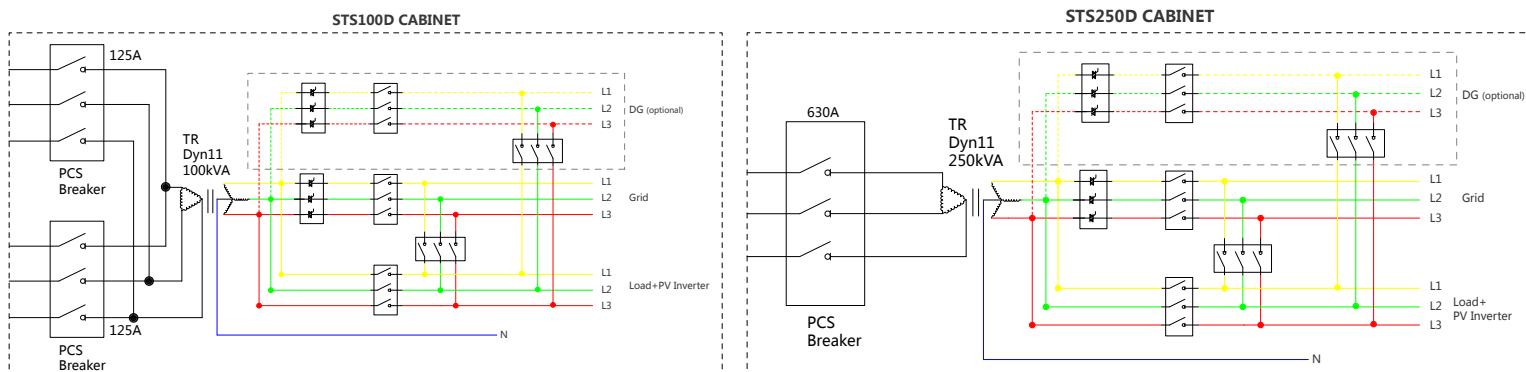
Micro-grid Automatic Switching Device



Features:

- In & off-grid switching < 20ms
- Integrated EMS, supports multiple operation modes
- Integrated off-grid isolation transformer
- Supports multi-source access of PV & DG power

Block Diagram:



Parameter	STS100D	STS250D
Rated Voltage	400V	400V
Rated current	144A	360A
Rated frequency	50Hz	50Hz
Rated power	100KVA	250KVA
Max. grid Input power	200KVA	500KVA
Switch between on/off grid	≤20ms	≤20ms
PCS Input	125A*2	630A
Max. grid Input	400A	1000A
DG Input(Optional)	400A	1000A
Load breaker*	400A	1000A
Grid/DG Bypass breaker	200A*2	630A*2
Isolation Transformer	100KVA	250KVA
Lightning protection	Type II	Type II
Protection degree	IP54	IP54
Relative humidity	0~100%	0~100%
Operating temperature	-25 °C~+45 °C	-25 °C~+45 °C
Cooling Mode	Air	Air
Dimension (W/H/D)	900/2380/930mm	1170/2380/1105mm
Weight	791kg	1250kg
Working Alitude	≤3000m	≤3000m
Communication	RS485/4G/Ethernet	RS485/4G/Ethernet
Install	Tower-type	Tower-type

* The capacity of the PV inverter must be smaller than the capacity of PCS group.