

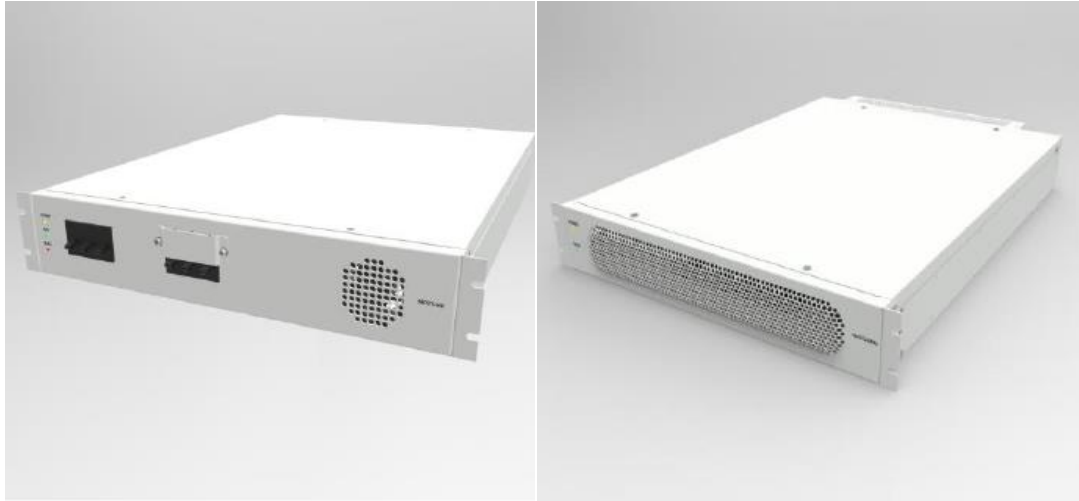
NESTS-60KR/120KR STS

-Automatic On-/off-grid Switching Unit



QC RENEWABLES

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NESTS-60KR

NESTS-120KR

Main Features

- **2U Modular design.** Higher power density, with 60kW in 2U compact size, 120kW in 4U size.
- **Excellent compatibility.** The STS is compatible with both SINY NESI series battery inverter and solar battery hybrid inverters
- **< 20ms quick switching.** Within 20ms fast switching between on-grid and off-grid status, uninterrupted protection on important loads like servers possible
- **Automatic monitoring and switching.** Communicating with EMS and battery inverter(PCS), the STS can be automatic switching when power outages.

Model	NESTS-60KR	NESTS-120KR
Nominal power [kW]	60	120
Nominal voltage [V]	380/400	
Input/output voltage range [V]	380/400±15%	
Maximum current [A]	100	200
Continuous overload capability	110%	
Nominal frequency [Hz]	50/60	
On- to off-grid switching time	On to off ≤20ms; off to on 0ms	
Highest efficiency	99.5%	
Cooling	Forced air cooling	
Mechanical type	In rack	
Noise degree [dB]	45	
Temperature range [°C]	-25~55 (over 45°C power derating)	
IP protection	IP20	
Relative Humidity	0~95%	
Communication	RS485/CAN	
Dimension[W*H*D, mm]	435*90*600	435*180*600