

DATA SHEET

Stationary

Three Phase Standalone UPS

SII Series 10-200 kVA

SIII Series 100-600 kVA

Transformer based, double-conversion technology

The outstanding electrical and mechanical design guarantees load stability in harsh environments and for mission critical applications. Input and output EMI filters considerably increase the immunity of the load to mains disturbances and surges.

SIII Series provides a low impact source solution, as the rectifier has an IGBT technology with Power Factor Correction.



a Proton Motor Brand

Typical application areas

Secure power for data centers, Networks, servers, communication facilities, security systems, medical equipment and other mission-critical applications

Three Phase Tower UPS

	SII Series	SIII Series
Main Features	<ul style="list-style-type: none"> • Double-conversion on-line technology • VFI-SS-111 classification • 3 phase to 3 phase • 6 pulse rectifier input • IGBT inverter output with isolation transformer • Control by digital signal processor (DSP) 	<ul style="list-style-type: none"> • Double-conversion on-line technology • VFI-SS-111 classification • 3 phase to 3 phase • IGBT rectifier input • IGBT inverter output with isolation transformer • Control by digital signal processor (DSP)
Available Versions – Rated Power in kVA	10 / 15 / 20 / 30 / 40 / 60 / 80 / 100 / 125 / 160 / 200	100 / 120 / 160 / 200 / 250 / 300 / 400 / 500 / 600
Parallel Functions	Up to 8 units in parallel	
Operation Modes	<ul style="list-style-type: none"> • Online mode • ECO mode • Battery and Bypass mode • Smart Active • Automatic Voltage Stabilizer • Frequency converter 	
Control and Protection System	<ul style="list-style-type: none"> • Back-feed protection fitted as standard • EPO (Emergency Power Off) • Input for UPS shut-down using remote emergency button • Back Feed protection and splitted bypass line 	
Communication Ports	<ul style="list-style-type: none"> • Standard • Option • SNMP card; JBUS/ModBUS converter RS485 port; ProfiBUS converter; Multilicence 	
Applicable Battery Types	VRLA, Wet, Ni-Cd	
Efficiency	<ul style="list-style-type: none"> • Online Mode up to 93 % • ECO mode up to 98 % • Smart Active mode up to 98 % 	<ul style="list-style-type: none"> • Online Mode 93 % • ECO mode 98.5 % • Smart Active mode up to 98.5 %
Output Power Factor	0.9	0.9
Crest Ratio	3:1	3:1
Input Power Factor	0.8 for 6-pulse version	> 0.99
Input Current THDI	25 % for 6-Pulse transformer	< 3 %
Special Benefit	<ul style="list-style-type: none"> • Simplified Maintenance • Remote maintenance possible • High short-circuit current (up to 3 x I nominal) • Compatibility with the most difficult application (lighting, drives and industrial processes) 	

Errors excepted, technical changes reserved. Product specifications are subject to change without further notification

For further information, please do not hesitate to contact us.

Proton Motor Fuel Cell GmbH
Benzstraße 7
D-82178 Puchheim
Germany

Phone +49 (0) 89 1276265 - 11
Fax +49 (0) 89 1276265 - 99
email sales@proton-motor.de
Web www.proton-motor.de

Stationary

Automotive

Maritime