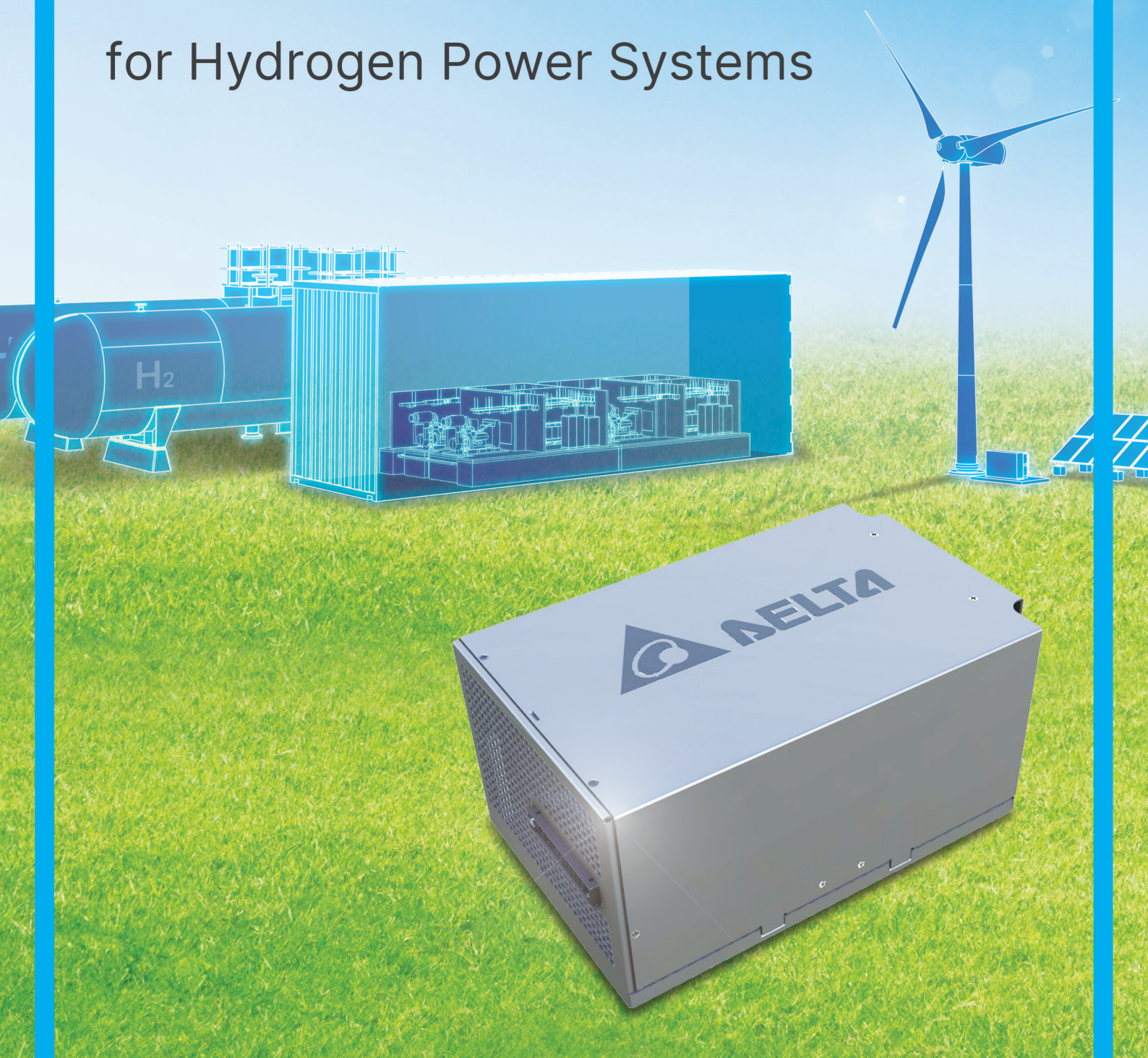


5 kW DC-DC Power Converter & Charging Unit

for Hydrogen Power Systems



5 kW DC-DC Power Converter & Charging Unit

Features:

- > 93% high efficiency power conversion and charging function
- Constant voltage mode and constant power mode for charging
- Adjustable power limit (max. 5 kW) and power rise/drop rate (0.5 W / sec. to 100 W / sec.)
- Full digital PWM control for switching power supply
- Input voltage 35 to 75 V, output voltage 43.2 to 57.6 V
- Six-phase interleaved boost topology interleaved boost topology and full bridge LLC
- Data exchange via RS-485 Modbus protocol for real-time remote control and monitoring
- Scalable and extendable, supports multiple units integrated in parallel systems, 1 to N or N to N

Application:

- Hydrogen Power backup system

Item	Specifications
Rated Input	35 to 75 V _{DC} , 5 kW
Rated Output	43.2 to 57.6 V _{DC}
Efficiency	93%
Operating Temperature	0 °C to 55 °C
IP Level	IP20
Cooling	Air cool
Communication	CAN / RS485
Safety	IEC 62477-1
EMC	EMI: IEC 61000-6-4 EMS: IEC 61000-6-2
Dimension (W x L x H)	200 x 315 x 150 mm
Charger	CV: 55 V CP: 100 W to 5,000 W setting
Isolated	Yes



More Information

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