

MPi80HD

8kW DC Power System



Use our energy
to save yours



Key Features:

- Modular design, simple to install and operate
- Front/top access for ease of installation and maintenance
- Compact, core power module contains 'essential' functions – controller, LVDs, shunt, 4 x rectifier slots
- Scalable design, factory configured for popular 150A applications
- Up to three low voltage disconnects (LVDs) configurable for batteries and/or load
- Constant power rectifiers to reduce battery recharge time
- Optional hinged doors, blank panels or panels with cutouts for the breakers
- Additional flexible distribution modules (FDM) provide any mix of AC, DC distribution and protection
- System configuration held in non-volatile memory within the core module allowing true plug and play of the ACMi1000HD controller
- Remote monitoring options via modem or LAN (TCP/IP gateway, SNMP, email, Web,...)
- Comprehensive system control functions
- Comprehensive Battery management
- Energy saving functionality with ECO^{px}



>> MPi80HD

Description:

The MPi80HD is a flexible, compact design aimed at the small to medium power applications.

Flexibility is achieved using the standard core module and rectifier shelves together with flexible AC and DC distribution modules which allow easy and quick configuration of the DC power system.

This combined with optional battery shelves can quickly make cost effective solutions for almost any application envisaged.

Alternatively the system can be enclosed into a 19" rack solution with battery shelves to make the ultimate design in DC power systems.

Applications:

**Wireless and Fixed Line communications
Broadband and Network Access**

- **Medium and Large power systems**
- **Wireless base stations**
- **Core networks**
- **Telecommunications and data networks**

SPECIFICATION

GENERAL		
Power Capability	6kW (N+1) / 8kW total	
Number of rectifiers	Up to 4	
Rectifier Power	2000W per rectifier	
Control, Supervision and Alarms	ACMi1000HD	
Communications	USB serial port Modem options SNMP/TCP-IP option	On ACMi1000HD GSM modem fitted externally PSTN modem fitted internally NSCi1000 card
Load & Battery disconnect	Up to 3 LVDs 1xLVD Standard 2 nd & 3 rd LVD, optional	Disconnect/re-connect thresholds independently programmable Configurable as battery or load Configurable as non-priority load

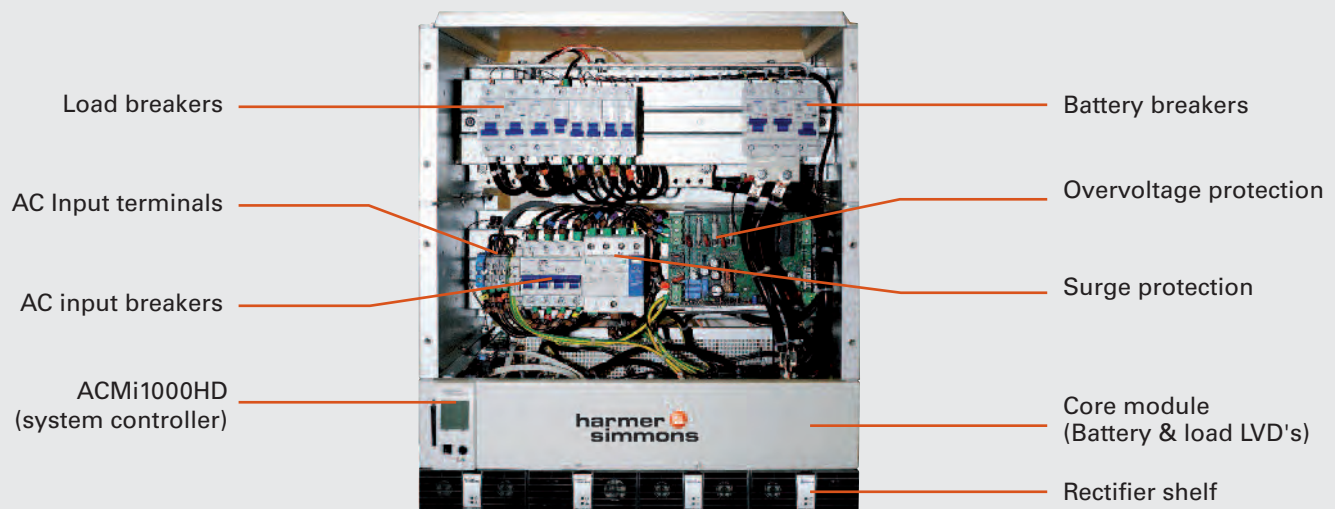
INPUT		
Input Voltage	Single phase 208V/220V/240V or Three phase 380V/400V/415V N+E	
Frequency	44 to 66Hz	
Nominal current	9.5Arms maximum @ 230VAC single phase, per installed rectifier	

OUTPUT		
Nominal Output Voltage	48VDC Internally controlled by CAN bus Adjustment range: 42V to 57VDC	
Maximum output current	Rectifier current - 166ADC at 48VDC Load current - 150ADC	

ENVIRONMENTAL		
Ambient Temperature	-25°C to +70°C	
Storage Temperature	-50°C to +85°C	
Humidity	5% to 95%	Non-condensing
Vibration & Shock	IEC60068	
Seismic Shock	GR-63 Core	Zone 4
RoHS	2002/95/EC	
WEEE	2002/96/EC, 2003/108/EC	

REGULATORY STANDARDS		
Safety		
International	EN60950-1	
North America	UL/CSA 60950-1	
Safety Approvals	CE/UL/CSA	
Electro-Magnetic Compatibility (EMC)		
Emissions, Conducted	EN55022, Class B	
Emissions, Radiated	EN55022, Class B	
Immunity		
ESD	IEC/EN61000-4-2	
Radiated 'E' field	IEC/EN61000-4-3	
Fast Transient Burst	IEC/EN61000-4-4	
Surge	IEC/EN61000-4-5	
Conducted RF	IEC/EN61000-4-6	
Radiated 'H' field	IEC/EN61000-4-8	
Power Line Dips	IEC/EN61000-4-11	
'ANSI' Surge	IEEE C62.41	
Telecom Networks	EN300 132-2, EN300 386-2	

Typical System Layout (with AC and DC modules)





Power Systems

Whenever Wherever **Wattever**

**harmer &
simmons**

a division of AEG Power Solutions

www.harmerandsimmons.com

Autorizovaný distribútor pre Slovensko:

Rhea elektro s.r.o.
Elektrárenská 1/12440, 831 04 Bratislava
Tel.: +421 2 49101914, -18
E-mail: info@rhea-elektro.sk
www.rhea-elektro.sk



MP180HD - H&S - 09.09 - EN

Due to our policy of continuous development, data in this document is subject to change without notice and becomes contractual only after written confirmation.

Agence : yvydy.