

वी एच ई एल BHEL		PURCHASE SPECIFICATION FOR 1250kW GRID-CONNECTED POWER CONDITIONING UNITS FOR 10MW(AC) SPV POWER PLANT AT GNFC-CHARANKA		PS 439-1187
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COPY RIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in anyway detrimental to the interest of the company.	4.3.7		EMI and RFI	
	4.3.8		Grid monitoring Protection against any sustained fault (lightning effect etc) in grid / feeder line.	
	4.3.9		Ground fault protection	
	4.3.10		Power regulation in the event of thermal overloading	
	4.3.11		SPD-based overvoltage protection on both DC and AC sides. SPD shall consist of MOV type arrestors. It shall have thermal disconnectors to interrupt surge current arising from internal / external faults. The SPDs shall be Type I+II.	
	4.3.13	Fan failure – Alarm contact shall be provided for air flow loss / rise of temperature of cooling fan		
	4.4 DC, AC side load break disconnecting switch / breaker provisions			
4.4.1	DC side	Load break disconnecting mechanism required on DC side – motorized type. ← Deleted		
4.4.2	AC side	(a) Aux contacts (ON/OFF) from both ACB and DC Switch Disconnecter shall be made available at TB terminals to enable external wiring for SCADA purpose.		
		(b) Surge protection device (3P) with suitable rating shall be provided at the input of the ACB.		
		(c) Indication for grid side supply ON / OFF status shall be available on the Door Interface.		
		(d) ACBs shall be provided on the AC output side		
		(e) Interconnection between the ACB Panel and PCU supply/provision of cables / busbars as applicable shall be in the scope of the vendor.		
4.5 Front panel display and control				
4.5.1	Front panel screen (LCD display, etc) with browsing / navigation provisions to	Instantaneous DC power input DC input voltage DC Current		
4.5.2	1) select display parameters 2) provide settings for various parameters	Instantaneous active AC power output Instantaneous reactive AC power output AC voltage (all the 3 phases and line) AC current (all the 3 phases and line) Frequency Power Factor Energy (kWh) produced during entire day Total Energy (kWh) produced during its life		