

## **Moduline - Vector Series 3V3A (10 - 80 KVA)**

### **Moduline Construction Design**

Moduline supports up to 8 UPS modules which provide the total capacity of 80 KVA, and it is designed to each UPS modules that can be hot-swapped easily. The system also comes with other modules including communication modules, LCD panel, and cabinet. Each module is running independently. If any module is failure or disconnected, the system keeps continuing to operate and supply the power without interruption. Moduline ensures to provide a high level of reliability and protection.

### **LCD Screen Display**

Moduline is equipped with mimic LCD screen in the front panel for displaying all necessary information and status, such as input or output rating, capacity, temperature. And it also displays in multi-language for different countries.

### **Easy of Operation and Installation**

Moduline offers flexibility to install that reduces installation time. Consequently, it is very easy maintenance and Control which provides the highest reliability and best protection for supplying power.

### **Selectable Charging Capacity**

Each UPS module builds in with 4.5Amp charger. With 8 installed UPS modules, the total charging current is up to 36Amp. with this advanced charger, you can install the external battery cabinet to extend the battery run time without limitation. Moreover, if the total charging current is too big to the installed battery system, you are also able to disable some of these chargers on LCD display with reasonable charging current without reduce the Battery lifetime.

### **Selectable Capacity for Parallel Redundancy**

In order to make sure the additional modules are installed for parallel redundancy, you could access the LCD Display to setup the quantity of UPS module for parallel redundant capacity. Once the connect loads are exceed to the setup capacity, the system will have the warning message for your previous actions.

### **PDU-Simplify The Power Distribution Control (Option)**

With FRONT-ACCESS design, the operator can control the power distribution just in front. Of the UPS system, monitoring the load status via the LCD display just below the PDU. The PDU provides breaker panel capable of Holding 36 pieces miniature circuit breaker (MCB). The user can configure the power distribution wiring as 1Phase 2 wire + Protective Earth (PE), 2 phase 3 wire + PE, 3 phase 4 wire + PE, conveniently.

### **Additional Outstanding Features:**

- High Input Power Factor for Over 0.99
- Equipped with DSP Innovative Technology Application
- Add up External Battery System
- Dual Communication Interface
- Available for Generator Input
- With Specialized Monitoring Software to Monitor or Remote Control the System
- Wide Input Range

- Cold Start
- High Efficiency
- Short Circuit Protection
- Support SNMP Application (Option)
- Support AS400 Dry-Contact Interface (Option)

## TECHNICAL SPECIFICATIONS

**MODEL** Modular Vector Series

**Capacity** 10 KVA to 80 KVA

### INPUT

Phase	Three Phase
Wiring	3 < >4W + G (3 Phase / Wire Voltage with 1 GND
Voltage	400 V AC, -27% and +20%
Frequency	46 – 54 Hz
Power Factor	> 0.99

### OUTPUT

Voltage	230V Single Phase / 415V Three Phase
Regulation	+/- 1%
Power Factor	0.8
Output Frequency	50 Hz +/- 0.1 Hz
Overload Capacity	125% for 1 minute, 110% for 10 minutes
Module Capacity/each	10 KVA
Output Capacity	10 KVA x number of modules
Connect To Generator	Yes
Interface	RS 232 , RS 485 Intelligent Slot
Audible Noise	< 60 db
Ambient Storage and Transport Temperature Range	- 20° C to 60° C

### ENVIRONMENT

Ambient Service Temp	- 10° C to 40° C
Relative Humidity Range	95 max condensing

### DIMENSION

20 KVA – H X W X D	40 KVA - H X W X D =
= 800 x 590 x 673	990 x 590 x 673
60 KVA - H X W X D	80 KVA - H X W X D =
= 1180 x 590 x 673	1200 x 590 x 670

\* The above system are based on normal standards and can be customised as par specifications

