

Three-phase Digital Voltage Stabilizer type **ORION Y65-15/25** (**BRAND NAME OR EQUAL**) that, having three

separate control circuits, individually regulate each phase and suitable for unbalanced lines between phases up to 100%

*Rated power : **65 kVA** continuous duty - **OUTDOOR**

INSTALLATION

*Input voltage : 3PH+N 400Y/230 3PH and 4 wires

*Input voltage range : 380/400/415 VAC +15% - 25%
From 300V up to 460V for three phase L- L
from 172V up to 265V for single phase L-

N

*Output voltage : 3PH+N 400Y/230 VAC 3PH and 4 wires

*Output voltage accuracy : ± 0.5 % RMS stabilized

*Frequency : 50/60 Hz +/- 5%

*Admitted load variation: 0 to 100 %

*Admitted load unbalance : up to 100%

*Correction speed : 12 ms/V

*Waveform distortion : < 0.2 %

*Efficiency : > 97%

*Ambient temperature : -10°C up to +50°C

*Storage Temperature : -25°C up to +60°C

*Relative humidity : 90% (without condensate)

*Atmosphere : dusty with small pollution

*Operation altitude : up to 2500m a.s.l.

* Fittings : Logic control based on a microprocessor control system
: Input/Output multi-task digital network analysers that are able to

provide information regarding the status of the line downstream the

voltage stabiliser, such as phase and linked voltages, current, power

factor, active, apparent, reactive powers, etcetera.

: Bypass breakers protection 125A rated

: Input Automatic Circuit Breaker 125A rated (short circuit protection)

: Output interlocked Magneto Thermal Circuit Breaker 100A rated.

: The output and bypass breakers are electrically operated and

mechanically interlocked

: Over/under voltage shutdown protection system

: Lightning protection arrestors of spikes/surges 60kA TVSS class

II

- : Soft start and Soft Stop protections given by super-capacitor system for safe load supply at start-up
- : Logic control based on a microprocessor control system
- : Auxiliary circuit are protected by fuses

*Degree of protection : IP 54 – **C5M** environment protection category
metal cabinet for costal and offshore areas with high salinity in outdoor installation

*Connection : incoming/outgoing cables fed the DVS from the bottom

Quantity to be ordered is 10. Please submit your quote by 09/14/2015 at DjiboutiProcurement@state.gov .