

Date: 13/6/2013

REQUEST FOR QUOTE

Nº PRO-12-0471-1

Manufacturer: THEO BENNING ELEKTROTECHNIK UND ELEKTRONIK GMBH & CO.KG
Contact: RICARDO HARTBRECHT
Client: CAME CONTRATISTAS Y SERV.GENERALES S.A.
Project: SET's AYACUCHO, HUANTA Y CANGALLO
Our Reference: 0267-ETT-1

Item	Quantity	Product description
1	1	Cargador rectificador Trifásico-48VDC-17A
		Input Voltage 400/230 V
		Phases 3
		Output voltage DC 48 V
		Output Current 17 A
		Frequency 60 Hz
		Battery Type Níquel cadmio
		Counter Cell Si (+-10%)
		Installation altitude 2800 msnm
		Redundancy No
		Rectification method Tiristores
2	1	Cargador rectificador Trifásico-110VDC-33A
		Input Voltage 380/230 V
		Phases 3
		Output voltage DC 110 V
		Output Current 33 A
		Frequency 60 Hz
		Battery Type Níquel cadmio
		Counter Cell Si (+-10%)
		Installation altitude 2800 msnm
		Redundancy No
3	1	Banco de baterías Níquel-Cadmio Ventiladas-48Vcc-47A
		Nominal voltage 48 V
		Capacity 47 Ah
		Cell Quantity 37
		Cell Type L
		Life time 25 Años
		Rack Type Normal
		System Type Níquel cadmio
4	1	Banco de baterías Níquel-Cadmio Ventiladas-110VDC-90Ah
		Nominal voltage 380/230 V
		Capacity 90 Ah
		Cell Quantity 86
		Cell Type L
		Life time 25 Años
		Rack Type Normal
		System Type Níquel cadmio
5	1	Cargador rectificador Trifásico-48Vcc-26A
		Input Voltage 380/220 V

		Phases	3
		Output voltage DC	48 V
		Output Current	26 A
		Frequency	60 Hz
		Battery Type	Níquel cadmio
		Counter Cell	Si(+5%)
		Installation altitude	2800 msnm msnm
		Redundancy	No
		Rectification method	Tiristores
6	1	Cargador rectificador Trifásico-110VDC-65A	
		Input Voltage	380/220 V
		Phases	3
		Output voltage DC	110 V
		Output Current	65 A
		Frequency	60 Hz
		Battery Type	Níquel cadmio
		Counter Cell	Si(+5%)
		Installation altitude	2800 msnm msnm
		Redundancy	No
		Rectification method	Tiristores
7	1	Banco de baterías Níquel-Cadmio Ventiladas 48Vcc-70Ah	
		Nominal voltage	48 V
		Capacity	70 Ah
		Cell Quantity	40
		Cell Type	L
		Life time	25 Años
		Rack Type	Normal
		System Type	Níquel cadmio
8	1	Nickel Cadmium battery bank-110VDC-177Ah	
		Nominal voltage	110 V
		Capacity	177 Ah
		Cell Quantity	92
		Cell Type	L
		Life time	25 Años
		Rack Type	Normal
		System Type	Níquel Cadmio