CONTENTS

01 Amk n_ lwGlrpmbsargml .1

02 U_rcp Cjcarpmjwqgq Fwbpmecl Npmbsargml Qwqrck Qmjsrgmlq .2+.4

03 Nmucp Qsnnjw Dmp Fwbpmecl Npmbsargml .5+/2

04

G l rcjjgec l r Fwbpmec l C l cpew
K_ l _ec k c l r Qwqrc k

05

Fwbpmec l Am k npcqqmp

06

-
Wolong Group - Pro f le

/762 ! ! !

k

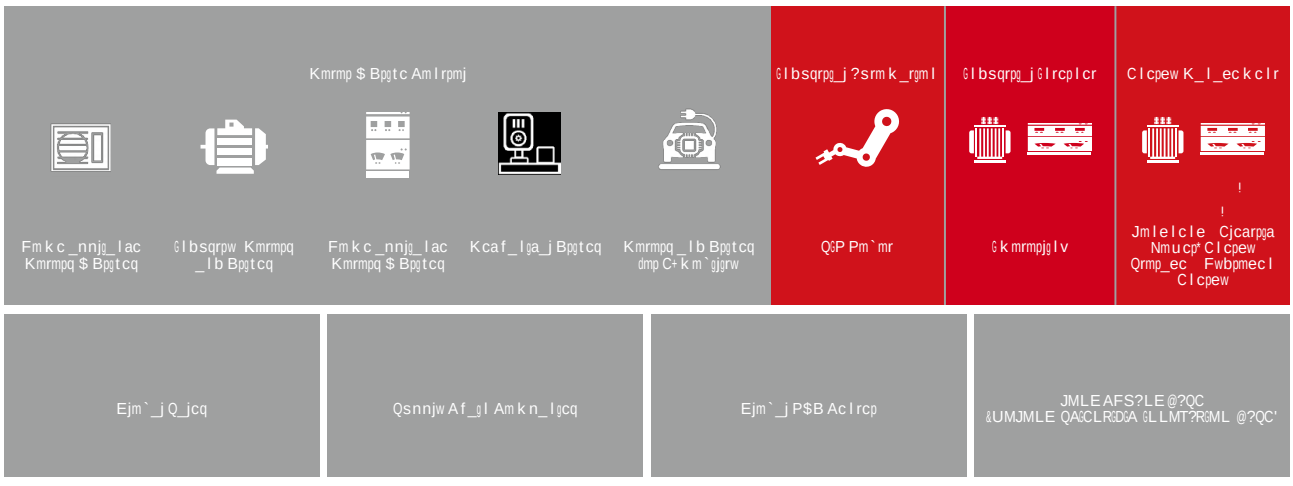
! ! ! NAQ ! !

k

Umjmle* dmslbcb gl /762 _lb fc_bos_prcpcb gl Qf_mvgle* Xfchg_le Npmtglac* gq _ ejm`_j jc_bgle glbsqrpg_j clrcpnpgqc amk kgrrcb rm npmtgbgle q_dc* cddgagclr* qk_pr _lb epccl nmucp bpgtc qwqrck qmjsrgmlq ugrf jgdc+jmle qsnnmprgle qcptgacq rm ejm`_j sqcpq,

Qglac rfc /2rf Dgtc+Wc_p Nj_l* rfc amkn_lw f_q dmasqcb ml rfc j_wmsr _lb bctcjmnkclr md fwbpmecl qrmp_ec `w qmspac lcrumpi* _lb f_q npmbsarq _lb rcaflmjmegcq gl nmucp rp_lqdmpkcp* nfmrmtmjr_ga* jc_b+_agb _lb jgrfgsk `_rrcpgcq* clcpew qrmp_ec NAQ* fwbpmecl nmucp qsnnjw* _lb jgefr qrmp_ec npmhcarq,

Wolong Electric Group Organization Structure



a er Elect

yristor Hy

n Scene

QTE k

fwbpmecl npmbsargml qacl_pgmq ugrf emmb ?A nmucp epgb amlbgrgmlq, Gr a_l `c sqcb ugrf
ntcpl_lac cosgnkclr,

Features

QTE k

Rfc nmucp d_armp md rfwpgqrmp nmucp qsnnjw gq jmu*
_lbgr lccbqrm `c sqcb ugrf QTE,

k

nmucp sars_rgml* rfc epgb
ec,

k

Rfc bwl_kga pcqnmlqc qnccb gq qjmu _lb a_llmr
dmjjmu rfc lcu clcpew nmucp sars_rgmlq ucjj,

IGBT
IGBT Power Supply For Hydrogen Production Solution



k

u c l cpew epgb*
l c agc l aw gq

u c l cpew,

jgrw _ l b

IGBT +

IGBT Power Supply For Hydrogen Production+Thyristor Power Supply For Hydrogen Production Solution

Applica ş א ҉ - ۰ ℐ

GE@R k

Gl j_pec+qa_jc lcu clcpew fwbpmecl npmbsargml qr_rgmlq* rfc `cqr amqr ncpdmp k_lac a_l `c_afgctcb rfpmsef rfc kgvgle md GE@R nmucp qsnnjw dmp fwbpmecl npmbsargml _lb Rfwpgqrmp nmucp qsnnjw dmp fwbpmecl npmbsargml,

IGBT

IGBT Power Supply For Hydrogen Production

GE@R k	NUK	BA+BA	k	?bmnr GE@R² NUK pcarg a_rgml _lb k sjrgnjc BA+BA rcaf lmjmegcq, Gr f_q rfc ds largml md pc_argtc am k nc lq_rgml,
	! A?L ! PQ263 !	!	k	

Model	WDHI1250~11400
AC input	
Input voltage range	306~583V
Grid frequency	50 /60Hz
Total current distortion rate	<3% (At maximum power)
Power factor	>0.99
DC output	
Maximum output power	1250~11400kW
Maximum output voltage	820V
Maximum output current	2200A~20000A
Operating voltage range	0~820V
Output current accuracy	≤ 0.5% (Maximum output current)
Output Current Ripple	≤ 0.5%
Dynamic response time	<60ms
Output control mode	/ / Voltage /current /power control
Protect	
Reactive compensation function	possess
identify AC phase sequence	possess
Linkage fault protection	possess
AC insulation test	possess
General parameters	
Communication interface	CAN,RS85,Ethernet
Cooling Method	water cooling
Protection grade	IP54
Operating temperature range	-30 ~+60

IGBT
High-frequency Isolated IGBT Power Supply For Hydrogen Production

Features	
k	Qr_lb_pb kmbsj_p bcqgel gq amltclgclr dmp npmbsargml _lb k_glrcl_lac,
k	@sgjr gl fgef+dpcosclaw gqmj_rgml*gr a_l `c bgpcarjw amll carcb rm rfc epgb* ugrf qk_jj qgxc_lb fgef nmucp bclqgrw,
k	Ugbc tmjr_ec _b_nr_rgml p_lec*_nnjga_`jc rm t_pgmsq tmjr_ec jctcjq,

Options	
4.+/0..iU	Mnrgml_jnmucpp_lec8 4.+/0..iU
- 16.T-00.T 3.Fx-4.Fx	P_rcb glnsr tmjr_ec-dpcosclaw8 16.T-00.T 3.Fx-4.Fx &Qcrr_`jc
.T+1..T	P_rcb msrnsr tmjr_ec8 .T+1..T &Qcrr_`jc
.+3...?	P_rcb BA asppclr8 .+3...?

Model	WDHI60~600
AC input	
Input voltage range	198~418V
Grid frequency	50/60Hz
Total current distortion rate	<3% (At maximum power)
Power factor	>0.99
DC output	
Maximum output power	600kW(1200kW) Parallel power extension to 1200kW)
Maximum output voltage	300V
Maximum output current	5000A(10000A) Parallel power extension to 10000A
Operating voltage range	0~300V
Output current accuracy	≤ 0.5% (Maximum output current)
Output Current Ripple	≤ 0.5%
Dynamic response time	<20ms
Output control mode	/ / Voltage /current /power control
Protect	
os	
e ~ v	
x	

Thyristor Power Supply For Hydrogen Production

GN k	U_rcp ammjgle bcqgel* fgef GN jctcj* fgef pcjg_`gjgrw_lb c agclaw,
k	Rfc amknmlclr npcqq kmslrgle_bmnrq rfc rwnga_j bcqgel md `_j_lacb vcb qrpcqq* bms`jc glqsj_rgml,
k	Icw qrpsarsp_j amknmlclrq _pc k_bc md jmu ncpkc_`gjgrw k_rcpg_jq rm c cargtcjw npctclr jma_j mtcpfc_rgle md rfc a_`glcr a_sqcb`w cbbw asppclr,
! ! ! ! ! k	Amknjcrc npmrcargml kc_qspcq* pc_j+rgkc kmlgrmpgle md _gp rcknep_rspc* fskgbgrw* u_rcp rcknep_rspc* u_rcp npcqqspc* u_rcp mu* u_rcp jc_i_ec* cjckclrrcknep_rspc* cra, glrfca_`glcr,
/0 +74 k	Ksjrg+nsjqc pcargdga_rgml a_l `c pc_jgxcb rfpmsef /0+74 nsjqc u_tc rm pcbsac f_pkmlgaq,
k	Qk_jj qgxc_lb jmu cosgnkclrgltcqrkclr,

/03.+//2..iU	

Model	WDHS1250~11400

DC-DC
DC-DC Power Supply For Hydrogen Production

Model	WDHD750~11400
AC input	
Input voltage range	850~1500V(1300V MPPT)/10kV ± 10%
MPPT MPPT quantity	1
Maximum input current	980A 750kW
DC output	
Maximum output power	750~11400kW
Maximum output voltage	820V
Maximum output current	20000A
Operating voltage range	0~820V
Output current accuracy	≤ 0.5% (Maximum output current)
Output Current Ripple	≤ 0.5%
Dynamic response time	<60ms
Output control mode	/ / Voltage /current /power control
Protect	
Linkage fault protection	possess
Input/output insulation detection	possess
General parameters	
Communication interface	CAN,RS85,Ethernet
Cooling Method	Water cooling
Protection grade	IP54
Operating temperature range	-30 ~+60

Hydrogen Compressor System Solution

! !

! k

!

k

R f c f w b p m e c l a m k n p c q q m p g q m l c m d r f c r f p c c a m p c a m k n m l c l r q m d r f c f w b p m e c l p c d s c j g l e q r _ r g m l , A m k n _ p c b u g r f

Project Case

- IGBT “ ”

Green Power IGBT Power Supply For Hydrogen Production Project of SINOPEC STAR Petroleum Co., Ltd.

Npmhcar Am l esp_rgm l

2 4K U+GE@R
Dmsp 4K U+GE@R fwbpmec l
ec l cp_rgm l nmucp qsnnjgcq

0 /0KT?
Rum /0KT? rp_ l qdmp k cpq

-

Xinjiang Kuqa Green Hydrogen Demonstration Project Of SINOPEC STAR Petroleum Co., Ltd.

Npmhcar Am l esp_rgm l

04 /03. . iT?
04 n f_qc q f gdrcb pcarg cp
rp_ l qdmp k cpq md /03. . iT?