

PRICING MANUAL OPTIONS CONTRACTS MONTHLY PARAMETERS ANNEX

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Table 1 – Parameter for options classified as liquid (the equities not listed below are classified as illiquid)

Stock Symbol	Model_Liquid_Smile	Model_Liquid_Surface	Fit_Min Strikes	Intraday_CW (minuts)
ABEV3	CorradoSu	VLGarch	5	20
ALOS3	CorradoSu	VLGarch	5	60
ALPA4	CorradoSu	VLGarch	4	20
ARZZ3	CorradoSu	VLGarch	4	60
ASAI3	CorradoSu	VLGarch	5	20
AZUL4	CorradoSu	VLGarch	5	60
B3SA3	CorradoSu	VLGarch	5	30
BBAS3	CorradoSu	VLGarch	5	40
BBDC3	CorradoSu	VLGarch	5	60
BBDC4	CorradoSu	VLGarch	5	40
BBSE3	CorradoSu	VLGarch	5	60
BEEF3	CorradoSu	VLGarch	5	60
BHIA3	CorradoSu	VLGarch	5	60
BOVA11	CorradoSu	VLGarch	5	60
BOVV11	CorradoSu	VLGarch	4	60
BPAC11	CorradoSu	VLGarch	5	60
BPAN4	CorradoSu	VLGarch	4	60
BRAP4	CorradoSu	VLGarch	5	30
BRFS3	CorradoSu	VLGarch	5	60
BRKM5	CorradoSu	VLGarch	5	30
CASH3	CorradoSu	VLGarch	4	60
CCRO3	CorradoSu	VLGarch	5	20
CIEL3	CorradoSu	VLGarch	5	60
CMIG4	CorradoSu	VLGarch	5	60
CMIN3	CorradoSu	VLGarch	5	60
COGN3	CorradoSu	VLGarch	5	60
CPFE3	CorradoSu	VLGarch	4	60
CPLE6	CorradoSu	VLGarch	5	60
CRFB3	CorradoSu	VLGarch	4	60
CSAN3	CorradoSu	VLGarch	5	60
CSNA3	CorradoSu	VLGarch	5	20
CVCB3	CorradoSu	VLGarch	5	60
CYRE3	CorradoSu	VLGarch	5	60
DXCO3	CorradoSu	VLGarch	4	60
ECOR3	CorradoSu	VLGarch	5	60

EGIE3	CorradoSu	VLGarch	5	60
ELET3	CorradoSu	VLGarch	5	60
ELET6	CorradoSu	VLGarch	5	60
EMBR3	CorradoSu	VLGarch	5	60
ENEV3	CorradoSu	VLGarch	5	60
ENGI11	CorradoSu	VLGarch	5	60
EQTL3	CorradoSu	VLGarch	5	30
EZTC3	CorradoSu	VLGarch	4	60
FLRY3	CorradoSu	VLGarch	4	60
GFS3	CorradoSu	VLGarch	3	60
GGBR4	CorradoSu	VLGarch	5	20
GOAU4	CorradoSu	VLGarch	5	30

Stock Symbol	Model_Liquid_Smile	Model_Liquid_Surface	Fit_Min Strikes	Intraday_CW (minuts)
GOLL4	CorradoSu	VLGarch	4	60
HAPV3	CorradoSu	VLGarch	4	60
HYPE3	CorradoSu	VLGarch	5	60
IBOV11	SABR	VLGarch	5	20
IGTI11	CorradoSu	VLGarch	5	60
IRBR3	CorradoSu	VLGarch	3	60
ITSA4	CorradoSu	VLGarch	5	60
ITUB4	CorradoSu	VLGarch	5	40
JBSS3	CorradoSu	VLGarch	5	60
JHSF3	CorradoSu	VLGarch	4	60
KLBN11	CorradoSu	VLGarch	5	60
LREN3	CorradoSu	VLGarch	5	60
LWSA3	CorradoSu	VLGarch	4	60
MGLU3	CorradoSu	VLGarch	4	20
MRFG3	CorradoSu	VLGarch	5	60
MRVE3	CorradoSu	VLGarch	5	60
MULT3	CorradoSu	VLGarch	4	60
NTCO3	CorradoSu	VLGarch	5	60
PCAR3	CorradoSu	VLGarch	4	60
PETR3	CorradoSu	VLGarch	5	30
PETR4	CorradoSu	VLGarch	5	30
PETZ3	CorradoSu	VLGarch	5	60
POSI3	CorradoSu	VLGarch	4	60
PRI03	CorradoSu	VLGarch	5	60
QUAL3	CorradoSu	VLGarch	4	60
RADL3	CorradoSu	VLGarch	5	60
RAIL3	CorradoSu	VLGarch	5	60

RAIZ4	CorradoSu	VLGarch	5	60
RDOR3	CorradoSu	VLGarch	5	60
RENT3	CorradoSu	VLGarch	5	60
RRRP3	CorradoSu	VLGarch	5	60
SANB11	CorradoSu	VLGarch	5	60
SBSP3	CorradoSu	VLGarch	4	60
SLCE3	CorradoSu	VLGarch	4	60
SMAL11	CorradoSu	VLGarch	5	20
SMT03	CorradoSu	VLGarch	5	60
SOMA3	CorradoSu	VLGarch	4	60
SUZB3	CorradoSu	VLGarch	5	60
TAE11	CorradoSu	VLGarch	5	60
TIMS3	CorradoSu	VLGarch	5	60
TOTS3	CorradoSu	VLGarch	5	60
UGPA3	CorradoSu	VLGarch	5	60
USIM5	CorradoSu	VLGarch	5	60
VALE3	CorradoSu	VLGarch	5	60
VBBR3	CorradoSu	VLGarch	5	60
VIVT3	CorradoSu	VLGarch	4	60
WEGE3	CorradoSu	VLGarch	5	60
YDUQ3	CorradoSu	VLGarch	5	60

Table 2 – Clustering parameters for options classified as liquid

Equity	S _n	S _q	IC	α	α_n	α_q	α_{nq}
IBOV11	1	1	0,99	0,5	0,5	0,5	0,75
Others Equities	0,005	0,005	0,99	0,5	0,5	0,5	0,75

Table 3 – Parameters for pricing COPOM Options in the closing call.

Maturity	Maximum Spread (bps)	Number of Contracts	Exposure Time of Closing Call
First Maturity	6	1000	30 seconds
Others Maturities	10	1000	30 seconds